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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/807,500 Confirmation No. : 4381  
First Named Inventor : Eberhard WEIHE  
Filed : March 24, 2004  
TC/A.U. : 1645  
Examiner : Unassigned  
Docket No. : 029310.53352US  
Customer No. : 23911  
Title : SCREENING PROCESS FOR VARIOUS INDICATIONS USING BNPI AND/OR DNPI

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R §§ 1.97 AND 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem relevant to patentability of the claims of the above-identified application.

**STATEMENT OF RELEVANCE**

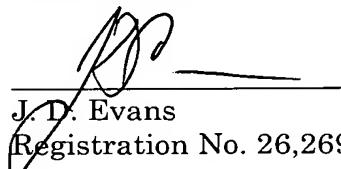
The relevance of these references to the subject matter of the present invention is given in specification of the present invention.

The present Information Disclosure Statement is being filed (1) no later than three months from the application's filing date or (2) before the mailing date of the first Office Action on the merits (whichever is later), and therefore no certification under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,

November 9, 2004

  
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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4 Attorney Docket Number 029310.53352US

**Complete if Known**

Application Number	10/807,500
Filing Date	March 24, 2004
First Named Inventor	Eberhard WEIHE
Art Unit	1645
Examiner Name	Unassigned

**FOREIGN PATENT DOCUMENTS**

Examiner Initials'	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	AA	WO 96/34288	10-31-1996	Eli Lilly and Company		
	AB	WO 02/08384	01-31-2002	The Regents of the University of California		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AC	YASUO AIHARA ET AL., "Molecular Cloning of a Novel Brain-Type Na <sup>+</sup> - Dependent Inorganic Phosphate Cotransporter", Journal of Neurochemistry, 2000, Vol. 74, No. 6, Philadelphia, PA, USA	
	AD	ARMEN N. AKOPIAN ET AL., "A Tetrodotoxin-Resistant Voltage-Gated Sodium Channel Expressed by Sensory Neurons", Letters to Nature, January 18, 1996, pp. 257-262, Vol. 379	
	AE	HIROSHI BABA ET AL., "Peripheral Inflammation Facilitates A $\beta$ Fiber-Mediated Synaptic Input to the Substantia Gelatinosa of the Adult Rat Spinal Cord", The Journal of Neuroscience, January 15, 1999, pp. 859-867, 19, 2, Society for Neuroscience	
	AF	DAVID BAUER ET AL., "Identification of Differentially Expressed mRNA Species by an Improved Display Techniques (DDRT-PCR)", Nucleic Acids Research, 1993, pp. 4272-4280, Vol. 21, No. 18, Oxford University Press	
	AG	ELIZABETH E. BELLOCCHIO ET AL., "Uptake of Glutamate into Synaptic Vesicles by an Inorganic Phosphate Transporter", Science, August 11, 2000, pp. 957-960, Vol. 289, www.sciencemag.org	
	AH	JAMES A. BONINI ET AL., "Molecular Cloning and Tissue Expression of a Novel Orphan G Protein-Coupled Receptor from Rat Lung", Biochemical and Biophysical Research Communications, 1997, pp. 190-193, 234, Article no. RC976591, Academic Press	

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Sheet	2	of	4	Application Number	10/807,500
				Filing Date	March 24, 2004
				First Named Inventor	Eberhard WEIHE
				Art Unit	1645
				Examiner Name	Unassigned
				Attorney Docket Number	029310.53352US

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	AI	CHIH-CHENG CHEN ET AL., "A P2X Purinoceptor Expressed by a Subset of Sensory Neurons", Letters to Nature, October 5, 1995, pp. 428-431, Vol. 377			
	AJ	TERENCE J. CODERRE ET AL., "Contribution of Central Neuroplasticity to Pathological Pain: Review of Clinical and Experimental Evidence", Pain, 1993, pp. 259-285, 52, Elsevier Science Publishers B.V.			
	AK	ANTHONY DICKENSON ET AL., "Novel Pharmacological Targets in the Treatment of Pain", Pain Reviews, 1995, pp. 1-12, 2, Edward Arnold			
	AL	DAVID DUBUISSON ET AL., "The Formalin Test: A Quantitative Study of the Analgesic Effects of Morphine, Meperidine, and Brain Stem Stimulation in Rats and Cats", Pain, 1977, pp. 161-174, 4, Elsevier/North-Holland Biomedical Press			
	AM	YUN FENG ET AL., "Cloning of a Novel Member of the G Protein-Coupled Receptor Family Related to Peptide Receptors <sup>1</sup> ", Biochemical and Biophysical Research Communications, 1997, pp. 651-654, 231, Article No. RC976161, Academic Press			
	AN	TATSUO FURUKAWA ET AL., "Identification of New Genes Expressed in a Human Erythroleukemia Cell Line", Blood Cells, Molecules and Diseases, 1996, pp. 11-22, 22, 2, The Blood Cells Foundation, LaJolla, California, USA			
	AO	P.G. GUNASEKAR ET AL., "NMDA Receptor Activation Produces Concurrent Generation of Nitric Oxide and Reactive Oxygen Species: Implication for Cell Death", Journal of Neurochemistry, 1995, p. 2016-2021, Vol. 65, No. 5, Lippincott-Raven Publishers, Philadelphia, Pennsylvania, USA			
	AP	BRIAN E. HAWES ET AL., "Nociceptin (ORL-1) and $\mu$ -Opioid Receptors Mediate Mitogen-Activated Protein Kinase in CHO Cells Through a G <sub>i</sub> -Coupled Signaling Pathway: Evidence for Distinct Mechanisms of Agonist-Mediated Desensitization", Journal of Neurochemistry, 1998, pp. 1024-1033, Vol. 71, No. 3, International Society of Neurochemistry, Lippincott-Raven Publishers, Philadelphia, Pennsylvania, USA			

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	AQ	M. HUBANK ET AL., "Identifying Differences in mRNA Expression by Representational Difference Analysis of cDNA", Nucleic Acids Research, 1994, pp. 5640-5648, Vol. 22, No. 25		
	AR	SVEN KLUßMANN ET AL., "Mirror-Image RNA that Binds D-Adenosine", Nature Biotechnology, September 1996, pp. 1112-1115, Vol. 14		
	AS	LING-YUAN LI ET AL., "The Stimulatory Effect of Opioids on Mitogen-Activated Protein Kinase in Chinese Hamster Ovary Cells Transfected to Express $\mu$ -Opioid Receptors", Molecular Pharmacology, 1996, pp. 599-602, 50, The American Society for Pharmacology and Experimental Therapeutics		
	AT	PENG LIANG ET AL., "Differential Display of Eukaryotic Messenger RNA by Means of the Polymerase Chain Reaction", Science, August 14, 1992, pp. 967-971, Vol. 257		
	AU	AXEL METHNER ET AL., "A Novel G Protein-Coupled Receptor with Homology to Neuropeptide and Chemoattractant Receptors Expressed during Bone Development", Biochemical and Biophysical Research Communications, 1997, pp. 336-342, 233, Article no. RC976455, Academic Press		
	AV	ABDI A. MOHIT ET AL., "p49 <sup>3F12</sup> Kinase: A Novel MAP Kinase Expressed in a Subset of Neurons in the Human Nervous System", Neuron, January 1995, pp. 67-78, Vol. 14, Cell Press		
	AW	D. NOHR et al., "Calcitonin Gene-Related Peptide Gene Expression in Collagen-Induced Arthritis is Differentially Regulated in Primary Afferents and Motoneurons: Influence of Glucocorticoids", Neuroscience, 1999, pp. 759-773, Vol. 93, No. 2, Elsevier Science Ltd., Great Britain		
	AX	S. PERSSON ET AL., "Spinal Prodynorphin Gene Expression in Collagen-Induced Arthritis: Influence of the Glucocorticosteroid Budesonide", Neuroscience, 1994, pp. 313-326, Vol. 63, No. 1, Elsevier Science Ltd., Great Britain		
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	AY	G.M.-C. POIRIER ET AL., "Screening Differentially Expressed cDNA Clones Obtained by Differential Display Using Amplified RNA", Nucleic Acids Research, 1997, pp. 913-914, Vol. 25, No. 4, Oxford University Press			
	AZ	LAUREN SOMPAYRAC ET AL., "Overcoming Limitations of the mRNA Differential Display Technique", Nucleic Acids Research, 1995, pp. 4738-4739, Vol. 23, No. 22, Oxford University Press			
	BA	SHIGEO TAKAMORI ET AL., "Identification of a Vesicular Glutamate Transporter that Defines a Glutamatergic Phenotype in Neurons", Letters to Nature, September 2000, pp. 189-194, Vol. 407, 2000 Macmillan Magazines Ltd.			
	BB	THOMAS R. TÖLLE, "Chronischer Schmerz", 1997			
	BC	VICTOR E. VELCULESCU ET AL., "Serial Analysis of Gene Expression", Science, October 20, 1995, pp. 484-487, Vol. 270			
	BD	JACKSON S. WAN ET AL., "Cloning Differentially Expressed mRNAs", Nature Biotechnology, December 1996, pp. 1685-1691, Volume 14			
	BE	JOSEPH B. WATSON ET AL., "Differential cDNA Screening Strategies to Identify Novel Stage-Specific Proteins in the Developing Mammalian Brain", Dev. Neurosci., 1993, pp. 77-86, 15			
	BF	ANDREW F. WILKS, "Two Putative Protein-Tyrosine Kinases Identified by Application of the Polymerase Chain Reaction", Genetics, March 1989, pp. 1603-1607, Vol. 86, Proc. Natl. Acad. Sci., USA			
	BG	CLIFFORD J. WOOLF ET AL., "Peripheral Nerve Injury Triggers Central Sprouting of Myelinated Afferents", Letters to Nature, January 2, 1992, pp. 75-78, Vol. 355			
	BH	M. ZIMMERMANN ET AL., "Plasticity of the Nervous System at the Systemic, Cellular and Molecular Levels: a Mechanism of Chronic Pain and Hyperalgesia", Progress in Brain Research, 1996, pp. 233-259, Vol. 110, Chapter 18, Elsevier Science B.V.			

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